

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	251	(359/814).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:03
S2	2497	(369/44.19,44.21,44.32).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:04
S3	2731	((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:05
S4	167	((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet\$1 and shaft\$1 and lens\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:06
S5	151	((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet\$1 and shaft\$1 and lens\$2 and coil\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:47
S6	65	((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet\$1 and shaft\$1 and lens\$2 and coil\$1 and (second with coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:08
S7	131	((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet\$1 and shaft\$1 and lens\$2 and coil\$1 and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:10
S8	131	((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet\$1 and shaft\$1 and lens\$2 and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:48
S9	1105	magnet\$1 and shaft\$1 and lens\$2 and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:49

S10	19	magnet\$1 and (shaft near lens\$2) and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:52
S11	1068	magnet\$1 and (shaft and lens\$2) and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:52
S12	498	magnet\$1 and (shaft with lens\$2) and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 15:16
S13	349	(magnet\$1 with lens\$2) and (shaft with lens\$2) and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:54
S14	70	(magnet\$1 with lens\$2) and (shaft with lens\$2) and (coil\$1 with first with second with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:36
S15	137	(magnet\$1 with lens\$2) and (shaft with lens\$2) and (coil\$1 with (first or second) with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 13:56
S16	106	((magnet\$1 with lens\$2) and (shaft with lens\$2) and (coil\$1 with (first or second) with (focus\$3 or track\$3))) not (((359/814).CCLS.) or ((369/44.19,44.21,44.32).CCLS.)) and magnet\$1 and shaft\$1 and lens\$2 and (coil\$1 with (focus\$3 or track\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 15:15
S17	55556	objective adj lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 15:16
S18	55662	(objective adj lens) magnet\$1 and (shaft with lens\$2) and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:35

S19	392	(objective adj lens) and magnet\$1 and (shaft with lens\$2) and (coil\$1 with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:36
S20	61	(objective adj lens) and (magnet\$1 with lens\$2) and (shaft with lens\$2) and (coil\$1 with first with second with (focus\$3 or track\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/29 17:39
S21	4	(fiber\$ with doped) and (pump\$ with source) and (correct\$3 with (frequencies or frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:45
S22	34	(fiber\$1 with doped) and (pump\$3 with source) and (correct\$3 with (frequencies or frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:49
S23	3	(fiber\$1 with doped) and (pump\$3 with source) and (correct\$3 with (frequencies or frequency) with pump\$3 with power\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:51
S24	3	(fiber\$1 with doped) and (pump\$3 with source) and (correct\$3 with (frequencies or frequency) with pump\$3 with (power or energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 12:54
S25	8	(fiber\$1 with doped) and (pump\$3 with source) and (correct\$3 with (frequencies or frequency or wavelength\$1) with pump\$3 with (power or energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 14:48
S26	8	(fiber\$1 with doped) and (pump\$3 with source) and (correct\$3 with (frequencies or frequency or wavelength\$1) with pump\$3 with (power or energy or intensit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:19
S27	95	(fiber\$1 with doped) and (pump\$3 with source) and ((correct\$3 or adjust\$3) with (frequencies or frequency or wavelength\$1) with pump\$3 with (power or energy or intensit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 16:20
S28	3094	(385/123,140,42).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:18

S29	1169	(372/6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:18
S30	221	(359/341.4,341.41,341.42).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:19
S31	4360	((385/123,140,42).CCLS.) or ((372/6).CCLS.) or ((359/341.4, 341.41,341.42).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:19
S32	6	((((385/123,140,42).CCLS.) or ((372/6).CCLS.) or ((359/341.4, 341.41,341.42).CCLS.)) and (correct\$3 with (frequencies or frequency or wavelength\$1) with pump\$3 with (power or energy or intensit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 15:20
S33	6	(fiber\$1 with doped) and ((correct\$3 or adjust\$3) with (gain adj slope))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 16:20
S34	6	(fiber\$1 with doped) and ((correct\$3 or adjust\$3) with (gain adj slope))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 17:05
S35	1	("5808785").PN.	USPAT; USOCR	OR	OFF	2003/04/30 18:02
S36	1	("5818629").PN.	USPAT; USOCR	OR	OFF	2003/04/30 18:02
S37	1	("5995275").PN.	USPAT; USOCR	OR	OFF	2003/04/30 18:02
S38	677	gain adj equalizer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 19:28
S39	43	(gain adj equalizer) and (correct\$3 with (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 19:29

S40	43	(gain adj equalizer) and (correct\$3 with (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/30 19:29
S41	1088	(359/813,814,824).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 18:47
S42	5019	(369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 18:48
S43	5859	((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:22
S44	2510	((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:01
S45	115	((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lenses)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/11 16:56
S46	2528	((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lens\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:01
S47	312	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lens\$2)) and shaft\$1 and magnet\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:03
S48	295	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lens\$2)) and shaft\$1 and magnet\$1) and coil\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:03

S49	98	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens\$2)) and shaft\$1 and magnet\$1) and (coil with first) and (coil with second)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 15:46
S50	454	(objective adj lens) and shaft and magnet\$1 and (coil with focus\$3) and (coil with track\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:48
S51	286	(objective adj lens) and shaft and yoke\$1 and magnet\$1 and (coil with focus\$3) and (coil with track\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:48
S52	155	(objective adj lens) and (lens adj holder) and shaft and yoke\$1 and magnet\$1 and (coil with focus\$3) and (coil with track\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:49
S53	9	(objective adj lens) and (lens adj holder) and shaft and (magnetic adj yokes) and magnet\$1 and (coil\$1 with focus\$3) and (coil\$1 with track\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/07 19:50
S54	9	(objective adj lens) and (lens adj holder) and shaft and (magnetic adj yokes) and magnet\$1 and (coil with focus\$3) and (coil with track\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 19:10
S55	1	("5513047").PN.	USPAT; USOCR	OR	OFF	2003/05/07 20:45
S56	40	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens\$2)) and shaft\$1 and magnet\$1) and (coil with first with track\$3) and (coil with first with focus\$3) and (coil with second with track\$3) and (coil with second with focus\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 16:39
S57	1	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19, 44.21,44.32).CCLS.)) and (objective adj lens\$2)) and shaft\$1 and magnet\$1) and (first adj track\$3 adj coil) and (first adj focus\$3 adj coil) and (second adj track\$3 adj coil) and (second adj focus\$3 adj coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 16:39

S58	0	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lens\$2)) and (shaft with holder) and magnet\$1) and (second adj focus\$3 adj coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 16:42
S59	13	(((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lens\$2)) and (shaft with holder) and magnet\$1) and (coil with first with track\$3) and (coil with first with focus\$3) and (coil with second with track\$3) and (coil with second with focus\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:28
S60	23	(objective adj lens\$2) and (shaft with holder) and magnet\$1 and (coil with first with track\$3) and (coil with first with focus\$3) and (coil with second with track\$3) and (coil with second with focus\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:32
S61	72	(objective adj lens\$2) and shaft and magnet\$1 and (coil with first with track\$3) and (coil with first with focus\$3) and (coil with second with track\$3) and (coil with second with focus\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:33
S62	38	(objective adj lens\$2) and (shaft with (lens or holder)) and magnet\$1 and (coil with first with track\$3) and (coil with first with focus\$3) and (coil with second with track\$3) and (coil with second with focus\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/08 18:34
S63	1	("6687062").PN.	USPAT; USOCR	OR	OFF	2004/07/06 19:01
S64	1	((("6687062").PN.) and yoke\$1	USPAT	OR	OFF	2004/07/06 19:01
S65	1	("5513047").PN.	USPAT; USOCR	OR	OFF	2004/07/06 20:50
S66	1	((("5513047").PN.) and (actuator with base with magnet\$5)	USPAT	OR	OFF	2004/07/06 20:50
S67	1	("6418094").PN.	USPAT; USOCR	OR	OFF	2004/07/06 20:50
S68	1	((("6418094").PN.) and ((outer adj yoke\$1) with magnet\$3)	USPAT	OR	OFF	2004/07/06 20:51
S69	1	((("6418094").PN.) and (outer adj yoke\$1)	USPAT	OR	OFF	2004/07/06 21:15
S70	1	"20030090816"	US-PGPUB	OR	OFF	2004/07/06 21:15

S71	0	"20030090816" and (supporting with member with magnetic with material)	US-PGPUB	OR	OFF	2004/07/06 21:15
S72	0	"20030090816" and (supporting with member with magnetic)	US-PGPUB	OR	OFF	2004/07/06 21:16
S73	1	"20030090816" and (yoke\$1 with magnetic)	US-PGPUB	OR	OFF	2004/07/06 21:21
S74	35601	yoke\$1 with magnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:21
S75	6854	yoke\$1 with (magnetic with material)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S76	6137	((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 17:34
S77	102	(yoke\$1 with (magnetic with material)) and (((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S78	4568	yoke\$1 with (magnetic adj material)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S79	66	((((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (yoke\$1 with (magnetic adj material))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/06 21:23
S80	1	("6687062").PN.	USPAT	OR	OFF	2004/11/19 10:20
S81	0	S80 and (supporting with adjust\$3 with holder\$1 with perpendicular)	USPAT	OR	OFF	2004/11/19 10:22
S82	0	S80 and (supporting with adjust\$3 with holder\$1)	USPAT	OR	OFF	2004/11/19 10:22
S83	0	S80 and (position with support\$3 with adjust\$3)	USPAT	OR	OFF	2004/11/19 10:23
S84	1	S80 and (position with adjust\$3)	USPAT	OR	OFF	2004/11/19 10:28
S85	0	S80 and (position with fix\$2)	USPAT	OR	OFF	2004/11/19 10:28
S86	1	S80 and (fix\$2)	USPAT	OR	OFF	2004/11/19 10:28

S87	135	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lenses)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 20:19
S88	1	"20030090816"	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:23
S89	0	S88 and (first with hole\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:00
S90	1	S88 and (wall\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:09
S91	1	S88 and (oppos\$3 with wall\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:25
S92	1	S88 and (hole\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:01
S93	0	S88 and (two with hole\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:00
S94	1	S88 and (hole\$1 with holder\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:01
S95	0	S88 and (bottom with wall\$1)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:09
S96	0	S88 and (boss)	US-PGPUB; USPAT	OR	OFF	2005/04/28 16:25
S97	142	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.)) and (objective adj lenses)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 20:20
S98	1	"20030090816"	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:24
S99	1	"20050076353"	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:24
S10 0	0	S99 and boss\$2	US-PGPUB; USPAT	OR	OFF	2005/05/01 21:24
S10 1	6493	(((359/813,814,824).CCLS.) or ((369/44.14,44.15,44.16,44.19,44.21,44.32).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 17:34
S10 2	363	S101 and @pd>="20040701"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 17:35

S10 3	12	(objective adj lens) and (lens adj holder) and shaft and (magnetic adj yokes) and magnet\$1 and (coil with focus\$3) and (coil with track\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 19:12
S10 4	71	(objective adj lens) and (lens adj hold\$3) and (magnetic adj path\$1) and magnet\$1 and coil\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/28 19:18

INTERFERENCE EAST SEARCH CASE # 10/644,029

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	((objective adj lens) and (lens adj hold\$3) and (magnetic adj path\$1) and magnet\$1 and coil\$1).clm.	US-PGPUB	OR	OFF	2005/09/28 19:18

EAST Search Results Case 10/644,029

US 4473274 A	USPAT	Objective lens assembly for optical disc player	359/824
US 4745589 A	USPAT	Objective lens actuator having movements restricting control means for an optical head	369/44.16
US 4752117 A	USPAT	Objective lens driving device	359/814
US 5046820 A	USPAT	Objective lens driving apparatus	359/814
US 5206762 A	USPAT	Viscoelastic substance and objective lens driving apparatus with the same	359/814
US 5317552 A	USPAT	Linear actuator for driving an optical head incorporated in an optical disk	369/44.14
US 5319497 A	USPAT	Lens drive device with lens holder carrying drive flux generating magnets	359/814
US 5319624 A	USPAT	Electromagnetic actuator and optical disk apparatus incorporating the same	369/44.14
US 5479386 A	USPAT	Lens actuating system for an optical disk drive having a driven mass for cancelling forces	369/44.14
US 5506732 A	USPAT	Optical pickup	359/824
US 5513047 A	USPAT	Actuator for an optical head	359/824
US 5541898 A	USPAT	Device for driving an objective lens	369/44.14
US 5646789 A	USPAT	Objective lens driving apparatus	359/814
US 5659525 A	USPAT	Objective lens drive unit having shaped magnetic pieces for providing a restoring force	369/44.22
US 5920437 A	USPAT	Objective lens driving apparatus	359/824
US 5999342 A	USPAT	Objective lens driving system and manufacturing method for same	359/813
US 6195314 B1	USPAT	Objective lens driving device and optical disc apparatus using the same	369/44.14
US 6212019 B1	USPAT	Objective lens driving system in a optical pick-up and method of modulating the resonance frequency of its lens holder	359/814
US 6295255 B1	USPAT	Optical pickup having a tilt mechanism to adjust an optical axis of an incident light beam	369/44.32
US 6341104 B1	USPAT	Optical pickup apparatus of tilt control type	369/44.15
US 6385146 B1	USPAT	Optical pick-up actuator using a concentrated magnetization	369/44.16
US 6418094 B1	USPAT	Optical pick up device	369/44.14
US 6449229 B1	USPAT	Optical pickup assembly with adjustable inclination	369/53.19
US 6466529 B1	USPAT	Optical pickup assembly and method of detecting tilt	369/44.32
US 6687062 B2	USPAT	Objective lens-driving apparatus	359/814
US 20010026528 A1	US-PGPUB	Apparatus for driving a lens for use with a disk player	369/244
US 20050076353 A1	US-PGPUB	Objective lens-driving apparatus	720/683
US 20040264310 A1	US-PGPUB	Optical head device	369/44.14
US 20040190403 A1	US-PGPUB	Objective lens driving apparatus	369/44.11
US 20040190163 A1	US-PGPUB	Objective lens driving apparatus	359/814

US 20030179471 A1	US-PGPUB	Objective lens driving apparatus	359/814
US 20030090816 A1	US-PGPUB	Objective lens-driving apparatus	359/814

NPL SEARCH HISTORY CASE 10/644,029.

Dialog DataStar

[options](#)[logout](#)[feedback](#)[help](#)[database](#)[easy search](#)

Advanced Search: INSPEC - 1969 to date (INZZ)

[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	objective ADJ lens AND lens ADJ holder AND shaft AND magnetic ADJ yokes AND magnet\$1 AND coil WITH focus\$3 AND coil WITH track\$3	unrestricted	0	-
2	INZZ	objective ADJ lens AND lens ADJ hold\$3 AND magnetic ADJ path\$1 AND magnet\$1 AND coil\$1	unrestricted	0	-

[hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)Enter your search term(s): [Search tips](#) ☐ Thesaurus mapping whole documentInformation added since: or: none[search](#)

Select special search terms from the following list(s):

- ☒ Publication year
- ☒ Classification codes A: Physics, 0-1
- ☒ Classification codes A: Physics, 2-3
- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8
- ☒ Classification codes A: Physics, 9
- ☒ Classification codes B: Electrical & Electronics, 0-5
- ☒ Classification codes B: Electrical & Electronics, 6-9
- ☒ Classification codes C: Computer & Control
- ☒ Classification codes D: Information Technology